

### AMENDMENTS TO THE CLAIMS

Claims 1-7. (Canceled)

8. (Currently amended) A method of preparing a composition for dermatological application, comprising:

extracting blood from a patient;

concentrating platelets from the blood to obtain platelet-rich plasma (PRP);

adding a skin permeation enhancer to the PRP to form a PRP composition;

combining the ~~platelets with a skin permeation enhancer and PRP composition~~  
with a pharmaceutically acceptable carrier for topical application to skin, thereby forming  
a the composition for dermatological application,

wherein the composition is prepared without adding an exogenous activator.

9. (Cancelled)

10. (Currently amended) The method of claim 8, wherein the carrier is an injectable carrier and is combined with a component chosen from collagen, cultured cells, and mixtures thereof.

Claims 11-45. (Canceled)

Claim 46. (Previously presented) The method of claim 8, wherein the acceptable carrier comprises a transdermal patch.

Claim 47. (Previously presented) The method of claim 46, wherein the transdermal patch comprises a permeable membrane.

Claim 48. (Currently amended) The method of claim 46, wherein the ~~combined platelets and skin permeation enhancer are~~ PRP composition is homogenously dispersed on the patch.

Claim 49. (Previously presented) The method of claim 46, wherein the patch further comprises an adhesive polymer matrix.

Claim 50. (Currently amended) ~~A~~ The method of preparing a transdermal patch of claim 46 comprising:

applying a ~~matrix~~the PRP composition to an impermeable support film, wherein  
~~the matrix comprises a composition comprising the platelets on the transdermal patch;~~  
and

applying a permeable membrane to the ~~matrix which~~platelet composition on the  
opposite side to the impermeable support film, wherein the permeable membrane is  
permeable to the platelets in the composition.

Claim 51. (Cancelled)